

## SECTION 1406 LIGHT STANDARD LUMINAIRES

### 1406-1 DESCRIPTION

Furnish, install and place into satisfactory operation, luminaires on the bracket arm complete with all lamps, ballasts, wiring inside standard from circuit conductors to luminaire, in-line breakaway fuses and ground wiring at the pole on light standards less than 55 ft in height.

### 1406-2 MATERIALS

Use luminaires that are ellipsoidal shaped with a center of gravity not more than 18" from the end of the luminaire support, do not weigh more than 55 lb, and have a maximum effective projected area of 1.2 sq.ft.

Use luminaires that are UL listed and labeled.

Use luminaires that have a lens holder latch on the street side and ballast, plug-in starter and capacitors mounted on a removable door. The removable door shall have a continuous hinge bar to prevent door opening due to vibration. The luminaire shall have a slipfitter for 2 mounting brackets, with a stainless steel shield ring, a 4-bolt adjustable pipe clamp and leveling steps for tilt adjustment. Use luminaires with a replaceable mogul base lamp socket adjustable in both vertical and horizontal directions, capable of producing the specified IES distribution pattern. Third party certification for photometric data shall be provided upon request. Provide a heat resistant tempered flat glass lens and a reflector with a hard glasslike highly reflective corrosion resistant finish. Provide a filter between the lens and reflector tub.

Use luminaires that have an internal high power factor ballast of the regulated type, capable of operating from a multi-wire circuit and energize a high intensity discharge lamp. The luminaire shall have a barrier between the ballast compartment and the reflector tub. Transformer windings shall be covered and protected. Lamps shall operate satisfactorily with a line voltage variation of  $\pm 10\%$ . Provide a ballast pre-wired to the lamp socket and terminal board, requiring only the connection of the power supply leads to the terminal board.

Use luminaires with a wattage rating, voltage rating, lamp type and light distribution as indicated in the plans.

Provide same model lamps from same manufacturer for each respective luminaire type.

### 1406-3 CONSTRUCTION METHODS

Level luminaires using leveling pads on the luminaire enclosure. Adjust any luminaires, as directed, to give optimum illumination distribution.

### 1406-4 MEASUREMENT AND PAYMENT

*Light Standard Luminaires* \_\_\_\_ will be measured and paid as the actual number of luminaires of each appropriate size and style installed and accepted.

Payment will be made under:

Pay Item	Pay Unit
Light Standard Luminaires ____	Each

## SECTION 1407 ELECTRIC SERVICE POLE AND LATERAL

### 1407-1 DESCRIPTION

Furnish and install wood service poles, wire, conduit, bushings, fittings, connectors, meter base and weatherhead from the service point to a control system.